

Converting Colors

$Y_{xy}(63.2433, 0.3443, 0.2720)$

Have a look what the booklet for
Yxy(63.2433, 0.3443, 0.2720)
contains.

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Color

Yxy(59.2738, 0.3294, 0.2690)

Conversions

Conversions Part 1

Format	Color
Hex	FFB2EE
RGB	255, 178, 238
RGB Percent	100%, 70%, 93%
CMY	0.0001, 0.3019, 0.0667
CMYK	0.00, 0.30, 0.07, 0.00
HSL	313°, 100%, 85%
HSV	313°, 30%, 100%
XYZ	72.5829, 59.2738, 88.4920
YIQ	207.8630, 26.6320, 34.9840

Conversions

Conversions Part 2

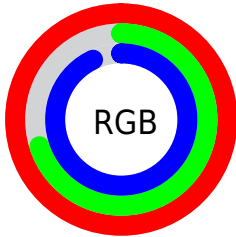
Format	Color
R _Y B	255, 178, 238
Decimal	16757486
CIE Lab	81.44, 37.01, -18.64
CIE LCh	81, 41.441, 333.270
Yxy	59.2738, 0.3294, 0.2690
Android (android.graphics.Color)	4294947566 (0xFFFFB2EE)
YUV	207.8630, 14.8575, 41.3391
Hunter-Lab	76.9895, 33.5517, -14.2555

Details

The Yxy color $59.2738, 0.3294, 0.2690$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $84.9097, 0.2996, 0.3976$, and the grayscale version is $62.8734, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.3256, 0.3137, 0.3088$, and $29.6630, 0.3326, 0.2551$ is the 20% darker color. If you saturate the color by 10%, you get $49.7284, 0.3365, 0.2492$, and if you desaturate by 10%, it is $70.7205, 0.3231, 0.2893$.

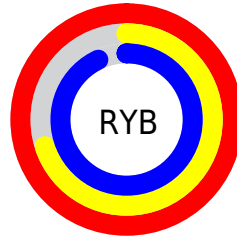
Distribution



Red (100%)

Green (70%)

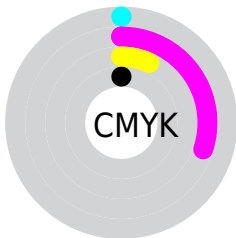
Blue (93%)



Red (100%)

Yellow (70%)

Blue (93%)

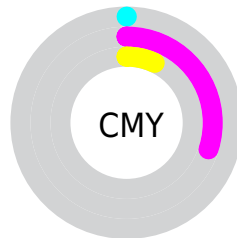


Cyan (0%)

Magenta (30%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (30%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2738, 0.3294, 0.2690 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 59.2738, 0.3294, 0.2690 by changing the saturation by 10% instead.

 59.2738, 0.3294,
0.2690

 59.2738, 0.3294,
0.2690


421.9158, 0.3221,
0.2963

 42.8336, 0.3310,
0.2629


 103.7755, 0.3269,
0.2783

 29.7546, 0.3329,
0.2555


132.6058, 0.3260,
0.2820

 19.6524, 0.3352,
0.2461


166.3348, 0.3251,
0.2852

 12.1426, 0.3381,
0.2342

205.3470, 0.3244,
0.2880

 6.8409, 0.3417,
0.2183

250.0269, 0.3237,
0.2904

 3.3628, 0.3465,
0.1962


300.7587, 0.3231,


 1.3239, 0.3526,


0.2926


0.1639

357.9269, 0.3226,
0.2945

 0.1596, 0.3826,
0.0569


 0.0000, 0.0110,
0.0000


 59.2738, 0.3294,
0.2690

 59.2738, 0.3294,
0.2690

 49.7284, 0.3365,
0.2492

 70.7205, 0.3231,
0.2893

 41.9716, 0.3444,
0.2307

 84.1571, 0.3175,
0.3093

 35.8912, 0.3529,
0.2147

99.6764, 0.3128,
0.3287

 31.3587, 0.3617,
0.2020

99.9945, 0.3127,
0.3290

■ 28.2272, 0.3707,
0.1937

■ 26.3214, 0.3794,
0.1902

■ 25.3635, 0.3876,
0.1909

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.2738, 0.2766, 0.2485



59.2738, 0.3294, 0.2690



59.2738, 0.3814, 0.3027

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.2738, 0.3294, 0.2690



59.2738, 0.3893, 0.4165



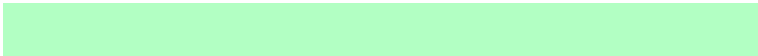
59.2738, 0.2206, 0.3005

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



59.2738, 0.3294, 0.2690



84.9097, 0.2996, 0.3976

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.2738, 0.2459, 0.3531



59.2738, 0.3294, 0.2690



59.2738, 0.3424, 0.4257

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.2738, 0.3294, 0.2690



59.2738, 0.4166, 0.3848



59.2738, 0.2899, 0.4023



59.2738, 0.2178, 0.2626

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.2738, 0.3294, 0.2690



59.2738, 0.4065, 0.3296



59.2738, 0.2899, 0.4023



59.2738, 0.2266, 0.3171

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



59.2765, 0.3294, 0.2690



85.8994, 0.3169, 0.3117



50.6294, 0.2706, 0.2429



17.9325, 0.3177, 0.3088



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.2765, 0.3294, 0.2690



53.5084, 0.3335, 0.2574



57.2662, 0.3616, 0.3065



18.2277, 0.3172, 0.3107



13.2798, 0.3862, 0.1901



1.3091, 0.3772, 0.1852

Inverse Universe

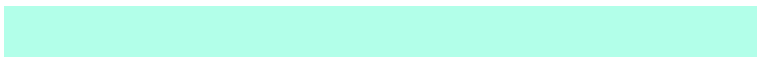
The Inverse Universe completely reimagines the original color for something new.



59.2765, 0.3294, 0.2690



53.5084, 0.3335, 0.2574



86.8621, 0.2798, 0.3530



18.2277, 0.3172, 0.3107



13.2798, 0.3862, 0.1901



1.3091, 0.3772, 0.1852

Previews

White Background



This preview shows how the Yxy color 59.2738, 0.3294, 0.2690 looks on a white background.

Color Contrast Check

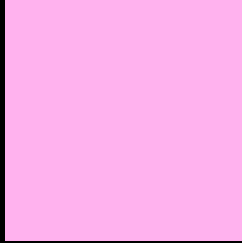
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 59.2738, 0.3294, 0.2690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

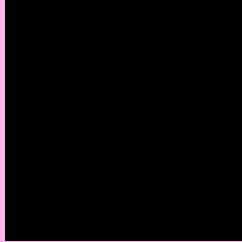
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.2738, 0.3294, 0.2690

Background



This preview shows how black text looks on a background with the Yxy color 59.2738, 0.3294, 0.2690.



This preview shows how white text looks on a background with the Yxy color 59.2738, 0.3294, 0.2690.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

59.2738, 0.3294, 0.2690

Protanopia

59.8123, 0.2708, 0.2707

Deuteranopia

59.5941, 0.2943, 0.2886



Tritanopia

59.1454, 0.3566, 0.3144

Trichromacy



Original Color

59.2738, 0.3294, 0.2690



Protanomaly

59.2134, 0.2900, 0.2694



Deuteranomaly

59.1071, 0.3064, 0.2813



Tritanomaly

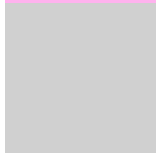
58.9554, 0.3470, 0.2969

Monochromacy



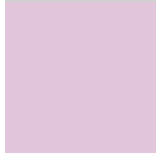
Original Color

59.2738, 0.3294, 0.2690



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

61.0545, 0.3185, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2738, 0.3294, 0.2690 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 178, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 238)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 178, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 238) }
```

Border

The CSS property to change the border of an element to Yxy 59.2738, 0.3294, 0.2690 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 178, 238) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 178, 238) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 178, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2738, 0.3294, 0.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 238) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
178, 238) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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